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ATTACHMENT to:

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3 September 1970

MEMORANDUM FOR: Chief, Projects & Programs Staff,  
TSG/NPIC

SUBJECT: APSD Activity Report for August 1970

1. The following items of significant interest occurred in the APSD during August 1970:

A. Administrative

(1) [ ] O/C APSD, will be attending the Agency Mid-Career course from 31 August to mid October.

(2) [ ] ISAB, departed this month for a one-year advanced training in Analytical Photogrammetry at Purdue University.

(3) [ ] a June graduate of RIT, entered on duty on 9 August 1970. He will be working in IEB.

B. Exploitation Support

(1) Interpretation.

(a) Image enhancement techniques, using high contrast films SO-369 and 6451 were accomplished at [ ] on the Middle East passes of [ ]. Similar enhancement techniques were used on the Middle East aircraft photography.

(b) A total of 126 frames of [ ] were requested to be considered for special high contrast duplication (SO-369 and/or 6451). The breakdown team selected 35 of these for special printing; the remaining frames were not recommended for special handling due to cloud cover conditions, multiple target coverage or sufficient contrast on the standard 2430 copy.

DECLASS REVIEW by NIMA/DOD

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(c) [ ] IEB, briefed two separate groups of photo-interpreters regarding the "H" and "IRIS II" camera systems on 7 and 10 August 1970. The objective of the briefings was to familiarize the PIs with these camera systems prior to deployment in the Middle East.

(d) The 70 traces (Peaceful Uses Project 450011) for [ ] IEB, were completed 13 Aug. 1970.

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(e) The request from IEB, [ ] for 12D-Min Areas and 8 Gray Scales for use in the O.N. Handbook Analysis Test, were completed 27 Aug. 1970.

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(f) A debugged and working program (NFTOF) has been written to read data sets from Composite Micro-D Fastrand File (MDFIL) and write them onto the Micro-D work file (MDDAS) in appropriate format.

(g) A single pass  $\mu$ D trace through the Try ADD Building A and Dish were provided [ ] of IEG/MSD/DMB/SDMS and several additional IDTs.

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(2) Photogrammetric, Statistics and Investigations.

(a) Task #5 of the Precise Mensuration Study was completed. Its purpose was to correlate mensuration accuracy of small images with image quality evaluations. It is recommended that controlled experiments of image qualities should be undertaken to find more useful equations than those we derived.

(b) Task #3 of the Precise Mensuration Study was sent to IEG/PHD. Its purpose was to investigate each of the mensuration input

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parameters to determine their respective variance and individual effect on mensuration accuracy.

(c) Task #4 of the Precise Mensuration Study was basically concerned with combining the individual errors of Task #3 to predict the accumulative system error (i.e., error resulting from all sources). The error propagation subject is one that cannot and should not be restricted to a fixed time frame. The examination of the distribution functions of all the error sources and the precise calculation of all the elements of the covariance matrix are tasks which should be continually updated. Task #4 tried to isolate those parameters thought to contribute the most error to the computation of dimensional information and to test those parameters for their distribution function and covariance. Specific recommendations concerning this task has been sent to IEG/PHD.

(d) Documentation of the AP-3 Pre-processor Model was completed and a copy was sent to ACIC via the 1004 Data Link service.

(e) An informative paper about space resection and orientation and their application within the NPIC Mensuration effort was completed this month. Ask for [redacted] dated 17 Aug. 1970.

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### (3) Collection Systems Support

(a) Film duplicating instructions for [redacted] were coordinated and furnished [redacted] OAB, during the month. Many hours of internal and external coordination were required to finalize the Community reproduction requirements on these missions, mainly as a result of

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SUBJECT: APSD Activity Report for August 1970

the Middle East situation.

(b) The NRO requested publication support on their "H" concept of Operations Manual on 31 Aug. This manual will require graphic, typing, editing, and printing efforts by various components of PSG. Some 200 copies of this manual will be reproduced for the Community for use in this forthcoming system.

(c) Unusually heavy and continuing effort was exerted by the division beginning early in the month in support of the newly initiated [redacted] reconnaissance program over the Middle East. Although the division had been aware basically of contingency plans of DDS&T/OSA to undertake such a program, the direction from the highest levels of governmental authority to implement flight plans, and to do so immediately, was given in a fast-moving situation with little forewarning. Consequently, when the first mission was launched early Sunday morning, 9 Aug., NPIC was aware of the fact only hours in advance after [redacted] the OAB duty officer, was advised of the impending flight. No plans had been made for delivery and processing of the film for its classification and control, for reproduction, exploitation, cable dissemination of read-outs, and for numerous other aspects pertinent to a new collection effort. OAB immediately undertook to resolve these matters as they related to NPIC areas of concern. Contacts were made promptly, either direct or through the Office of the Director/NPIC, with the COMIREX, the NRO, the OSA Security Staff, [redacted] and DIA to establish guidelines and procedures. Film duplication instructions were prepared and provided the processing sites; cable headers were developed; film movement, before and after processing,

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was closely monitored and concerned NPIC officials were kept abreast continuously of events and matters having impact upon the Center, not only for the initial mission but for the six subsequent [redacted] missions flown [redacted]. Dozens of hours of overtime, primarily on weekends, were expended in satisfying functional responsibilities relating to these missions.

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(4) Operational Activities

(a) The initial phase handling of [redacted] was accomplished on 30 July thru 1 Aug. and 11 thru 14 Aug. respectively. Two photo-interpreters accompanied the Tiger Team to [redacted] to read out the coverage status of 14 missile facilities. The Tiger Team provided guidance to the PIs.

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(b) The initial phase handling of [redacted] was accomplished on 26-29 Aug. The material was broken down out of normal sequence in order to accommodate an IEG request for an advance copy of specific revs/frames of the Middle East. This effort enabled shipment of the special copy prior to shipment of Priority 1A.

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(c) A cable was issued on 22 Aug. (OUT 70488) in response to the Color Task Force's request to determine optimum reproduction techniques from SO-242 color originals. The reply, although based on preliminary results, was required prior to the reproductions of the color from [redacted]

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(d) The PET meeting for [redacted] was held at NPIC on 24-27 Aug. [redacted] were the hosts for the meeting.

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(e) Extensive APSD/IEB support during the month of August was required for Middle East aircraft missions. The efforts primarily consist of pre-mission operational support (i.e., familiarization, determining resolution for the systems included and administering briefings), initial phase handling at the processing site and regular post flight analysis support at NPIC.

(f) [ ] briefed the CTF regarding the preliminary results of the color reproduction study at the 14 Aug. meeting. [ ] attended the meeting.

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(g) The evaluation of special IRIS tests for DDS&T/OSA [ ] has been completed. The results of the analysis are contained in memorandum APSD/IEB-131/70, dated 18 Aug.

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(h) At the request of ASD, Wright Patterson AFB through DIAXX-2, the IEB in conjunction with IEG evaluated some F415Y low level drone material. The results of this evaluation are contained in NPIC cable 9108, OUT 70486.

(i) On 10-13 Aug., members of the APSD attended the CCB meeting at Westover AFB. They presented an up-date to the CCB on the status of NPIC projects which [ ] and Center personnel are jointly working on. The briefing covered the following projects:

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Photo Effects PI/Analyst Briefing  
Precise Mensuration Study  
NPIC ON Evaluation Handbook  
Project INSITE  
Red Dot SO-242 Tests  
Color Separation Printing Techniques  
Target Oriented Printing Techniques  
Catalogue

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SUBJECT: APSD Activity Report For August 1970

Catalogue, PI Target/Print Compatibility  
0.2 Density/Dual Print Impact Study  
6451/SO-369 Special Print Analysis  
Special Enhancement/PI Response  
PI Questionnaire

2. The following significant items are anticipated for the month of September:

A. Six men are scheduled to provide initial phase handling support. [redacted] The team is scheduled to depart Washington on 3 Sept.

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B. [redacted] PET meeting will probably be held the last week of September. Two individuals are scheduled to attend.

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C. Eight to ten personnel from IEB are tentatively scheduled to visit P&E during the last week of Sept. for a [redacted] familiarization tour.

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D. It is anticipated that support to the [redacted] [redacted] missions will continue during the month of Sept.

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E. Micro-d traces of 1110 Original Negative will be forwarded to [redacted]. The test film arrived on 27 Aug. Six Raster and Profile traces will be made by the week ending 4 Sept.

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F. The procedures for acceptance testing of the Micro-d Computer Support System are being prepared. They will be finished during Sept. The system is due to be finished in Oct.

G. A ramp function will be added to the Function Generator Program (FGENR) for purposes of testing MTF programs and the one and two dimensional fourier transform programs.

H. The ISAB plans to provide scale changes/skew angles for the Automatic Stereo Scanner Utility Study.

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I. The ISAB will perform the photogrammetric calibration of the first [ ] test film.

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J. The revised [ ] manual will be published in Sept.

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[ ]  
Chief, Applied Photo Science Division,  
TSG/NPIC

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NPIC/TSG/ESD-053/70  
8 September 1970

MEMORANDUM FOR: Chief, Projects & Programs Staff, TSG, NPIC  
SUBJECT : ESD Monthly Report for August 1970

A. Noteworthy Events

1. Emergency Service - The Equipment Performance Branch received 83 requests for miscellaneous emergency service during August. These requests by operational components are:

PSG	38	Army	4
IEG	19	IAS	4
DIA	12	SS	1
TSG	5		

2. Preventive Maintenance - Under the Preventive Maintenance program a total of 274 instruments and one Teleprompter facility were serviced. This included cleaning, repairing, lubrication, alignment, and replacement of missing or malfunctioning parts. Minor modifications were made as required. These actions by operational components are:

IEG	173	Army	7
DIA	81	PSG	5
IAS	8	SS	1

3. Modification, Design and Fabrication - Ten modification, design and fabrication projects were completed in support of Center components.

4. Miscellaneous EPB Projects

(a) EPB changed a damaged fiber optics cable on the  Point Transfer Device in PHD/IEG. The new cable was salvaged from a Fiber Optics Viewer that is to be turned in as surplus. The replacement involved mounting, image rotation, adjustment, cable focus, centering the field-of-view, and adjusting the image enhancement system.

(b) NSA is currently installing two model TT 558 Printers in the AID Computer area. EPB will assist NSA in maintaining these instruments until such time as EPB technicians are trained, after which time EPB will assume full maintenance responsibility.

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SUBJECT: ESD Monthly Report for August 1970

(c) The separation of remote communication terminals into two dedicated systems has been completed. Computer system "A" controls all remote mensuration stations and computer system "B" controls all the remote IIS stations. Through the coordinated efforts of AID, Univac and EPB, the rewiring, installation and check-out of the units were completed without overtime or user interruption.

25X1 5. [ ] 1540 Light Table - The Mod II prototype modifications  
25X1 have been tested. The results of the tests were presented to [ ]  
in a briefing by [ ] on 4 August and to the rest of the community  
in a Supplementary Test and Evaluation Report on 31 August. The lamps  
are no longer immersed in liquid coolant, the film drive performs well  
and the uniformity of illumination is excellent. The only remaining  
serious deficiency is the table top temperature which still exceeds  
specifications.

25X1 6. [ ] 1540 Light Table - A plan for testing the pre-production  
25X1 model was prepared and distributed. It specifies thorough testing of  
the required design modifications and an operational inspection by all  
four [ ] operational components.

25X1 7. Automatic Target Indexing Device - This prototype is scheduled  
to arrive in NPIC by the end of October. An overall test plan is being  
prepared by [ ] in coordination with other NPIC organizations  
involved in this project.

25X1 8. Dry Silver Processors - A 40" Dry Silver Paper Processor and a  
25X1 10" Dry Silver Film Processor are due to arrive from [ ] in September.  
A test plan is being prepared by [ ] in coordination with other  
[ ] organizations. Pre-acceptance testing occurred at the [ ]  
plant on 5-7 August.

25X1 9. Screen Materials for Light Tables - A Memorandum Test Report  
on this subject (ESD/TEB-024/70) has been distributed. It contains the  
results of comparative tests by [ ] of four rear-projection  
screen materials for possible use as diffusing screens in light tables.

25X1 10. [ ] 2X Objective Lens for 240R Stereomicroscope - This prototype  
has been loaned to the Center for test and evaluation (T&E). A test plan  
has been distributed. The program, by ESD/TEB and DIAAP-9, is nearing  
completion.

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SUBJECT: ESD Monthly Report for August 1970

11. TICOF Equipment - The equipment which comprises the Technology Integration Check-Out Facility has been removed from the IEG area at their request.

25X1 12. Optical Testing Study - A contract for Test and Evaluation Support has been obtained with [ ] The end product is to be an up-to-date reference handbook of detailed practical procedures for testing optical viewing systems. *Why wasn't this coordinated with RED.*

13. Comparative Evaluation of [ ] DK-450 and DB-1003 - DK-450 contains a revised version of RED's General Requirements for the Preparation of Technical Manuals. ESD/TEB has concluded that the revision by the contractor is significantly better than the original. A written recommendation for adoption has been prepared and submitted. 25X1

25X1 14. [ ] conducted the ESD briefing of AID employees on 4 August.

25X1 15. [ ] attended the Center-wide conference with officials of the [ ] on 4 August. 25X1

25X1 16. [ ] attended a High Precision Stereo Comparator Test Plan coordination meeting at NPIC on 20 August.

25X1 17. [ ] attended the one-week P.I. course at Offutt AFB on 24-28 August.

25X1 18. [ ] entered on duty with TEB on 24 August. He holds a M.S. degree in Physics from Eastern Illinois University. He attained the rank of Captain, USAF, during almost five years of active service which included installation and testing of communications equipment.

25X1 19. [ ] completed a five week maintenance course on the DDP-516 computer at Honeywell, Framingham, Massachusetts.

25X1 20. [ ] completed his summer intern program and returned to the University of Maryland.

B. Anticipated Events for September 1970

1. Distribution of T&E Reports on: [ ] Retrofit Film Drive Kit, Wide Field Filar Eyepiece, [ ] 1540 Light Table, [ ] 2X Objective Lens and a Supplementary Report on the [ ] 918 Light Table. 25X1 25X1 25X1

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SUBJECT: ESD Monthly Report for August 1970

2. The 6x6 Twin Stage Comparator is scheduled for modification at NPIC by the manufacturer on 15-17 September.

3. [REDACTED] will be attending Photon Typesetter maintenance class at Wilmington, Massachusetts, 7-30 September.



Chief,  
Engineering Support Division, TSG, NPIC

Distribution:

Original - Addressee

- 1 - NPIC/TSG/APSD
- 1 - NPIC/TSG/RED
- 2 - NPIC/TSG/ESD

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NPIC/TSG [redacted]  
9 September 1970

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MEMORANDUM FOR: Chief, Technical Services Group, NPIC

SUBJECT : Projects & Programs Staff Monthly Report - August 1970

A. During August, the Projects & Programs Staff conducted staff functions for TSG [including 1) administrative, 2) daily representations to the Production Management Board, 3) working level liaison contact with PPBS on budget matters, and 4) with PSG on production matters] and was also involved in the following actions.

1. Arranged further revisions of the TSG training tour for [redacted] of PSG in accordance with revised requirements by PPBS, where he is currently training.

2. Provided TSG representation at series of meetings with the Support Staff relative to an automobile parking survey presenting being conducted for the Center.

3. In response to a request from PPBS, the TSG Missions & Functions statement was updated. The update was written in August 1969.

4. Provided support to the [redacted] meeting, and arranged for an orientation trip in September by approximately 20 members to [redacted]

5. The 1970 Equipment Summary manuscript was completed and forwarded to PSG for publication.

6. Coordinated TSG preparations for modification of [redacted] to accommodate the anticipated delivery of 1540 light tables. Attended Support Staff meetings, disseminated information, and provided assistance to Building Engineer in this connection.

7. The PPS Secretary, [redacted] was transferred to ESD. Her replacement, [redacted] is being processed and is expected aboard in early September.

8. Coordinated Division inputs for use in the publication of the NPIC Imagery Analysis Training Manual.

9. Participated in a number of Budget reviews chaired by PPBS, including a readjustment of priorities in response to an FY-1972 cut imposed by the DDI.

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SUBJECT: Projects & Programs Staff Monthly Report - August 1970

10. Performed an analysis of FY-1971 TSG travel expenditures to date.

11. Scheduled several tours of TSG, including a series of briefings for PSG/AID and an orientation for new IEG employees.

12. Conducted two TSG Career Panel meetings on 13 and 27 August.

13. [ ] away to six weeks of special school.

B. During September the following significant actions are anticipated.

1. Coordinate briefing tour of TSG by [ ] Liaison Officers.

2. Provide Executive Secretary for RED/RSB nonconventional Imagery Seminar.

3. Coordinate justification and reporting of TSG foreign travel.

4. Continue cooperation with Support Staff modification of [ ] preparatory to receiving 1540 light tables.

5. Arrange orientation tours for AID and IEG personnel, as well as a tour of PSG Reprographic Division for TSG personnel involved in the production of reports.

6. [ ] monthly meetings and scheduled visit of [ ]

7. Career Panel Meeting on 24 September.

8. Special briefings arranged for EXRAND on status of Near Real Time.

[ ]  
Acting Chief, Projects & Programs Staff, TSG/NPIC

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2 - NPIC/TSG/PPS

1 - NPIC/TSG/APSD

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NPIC/TSG/PPS/[ ] (9 Sep 70)

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8 September 1970

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MEMORANDUM FOR: Chief, Technical Services Group, NPIC

ATTENTION : Chief, PPS/TSG

SUBJECT : RED Monthly Report on Significant Events  
(August 1970)A. Significant Items of Interest for August 1970:

1. Automatic Stereo Scanner [ ] The Stereo Scanner equipment was shipped to [ ] and is now being reassembled. An [ ] engineer and two technicians are at [ ] to aid in the reassembly. [ ] is monitoring this task on-site. The concurrent [ ] project, "Utility of Stereo Scanning," is proceeding as scheduled.
2. Automatic Target Indexing Device [ ] The system is in final assembly and the project is on schedule. Preacceptance inspection will occur in mid-September. A plan for operational tests at NPIC has been formulated in preparation for its use on the [ ] The room (2N617) has been prepared for the ATID installation.
3. Wide-Field, High-Power Anamorphic Stereoviewer [ ] Project is on schedule. The current phase is one of finalizing optical design and procurement of lens elements.
4. Infrared Evaluation Study [ ] White Sands Missile Test Facility was flown and "ground truthed" in August. During September, the nuclear facilities at Oak Ridge are scheduled to be covered.
5. Image Comparison Microstereoscope [ ] This project is still in a stop-work status pending resolution of a request for overrun funds. An attempt is being made to renegotiate this contract to a cost-ceiling or a cost-sharing arrangement for completion of the prototype.
6. Viewing Systems Study [ ] The draft of the first chapters of this optical engineering handbook have been completed and are being evaluated.
7. Color Fading. [ ] reported that his firm can probably supply all of the information which we requested in the color fading characteristics of SO-242 and SO-360; however, he could not provide a completion date at this time.

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SUBJECT: RED Monthly Report on Significant Events (August 1970)

8. Determination of Color Training Needs [ ]

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The initial contract monitoring visit was made on 13 August. Work is progressing satisfactorily on Task I (Literature Review) and Task II (Color Vocabulary). [ ] personnel have received word from [ ] [ ] noted expert in color perception at Ohio State University, that he will donate his time and talent to the program to insure application of basic research findings. [ ] management complimented the government on the comprehensiveness of the color program. n

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9. Imagery Interpretation Research Program [ ] The FY-71 PAR was signed off by the Director, NPIC, and forwarded to Headquarters for final approval. The FY-69/70 program expired on 21 August. Extensive briefings for Center personnel are tentatively scheduled for the latter part of September. [ ] developed training packages on such targets as scatter communications facilities, guided missile patrol boats, missile launch sites and complexes, and nuclear production facilities were received for evaluation by IEG.

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10. Visual Perception Consultation [ ] A continuation of the consultation services rendered by [ ] was approved for FY-71. He will conduct further research on instrument myopia, and laser optometry development, and will support the validation of [ ] color acuity test development.

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11. Digital Image Manipulation [ ] The first digital image manipulation experiments with operational imagery were conducted in conjunction with [ ] at Patrick Air Force Base, 10-14 August. The results are promising and the areas for the September series of experiments have been identified.

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12. Image Manipulation Research Facility [ ]

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The input scanner and the video display output are in the final testing stage at [ ] The equipment is scheduled for delivery in mid-September and will be installed in Room 4N407. Used in conjunction (off-line) with the OCS computer, this equipment will provide the capability for in-house manipulation of classified imagery by December 1970.

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13. Photographic Image Manipulation (Ring Smear, [ ] PAR-251). The contract was completed and the enhancement device is in transit. Initial results indicate an improved result for certain types of imagery. In-house experiments will commence in September under the direction of [ ]

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14. Improved Rear Projection Screen [ ] Representatives from [ ], visited [ ] on 18 August to discuss a retrofit of the [ ] screen to the Scan & Search P.I. Station being fabricated by [ ]

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15. 1540 Light Tables [ ] Production contract is on schedule with no problems foreseen.

16. Dry Silver Processor [ ] [ ] SDB/RED, and [ ] ESD, visited [ ] on 5-7 August to "check out" two Dry Silver Processors prior to delivery to the Center. The equipment performed very well and delivery is expected in late August or early September.

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17. High Precision Stereocomparator [ ]. Optics have been installed in the [ ] system and indications are that resolving power exceeds specifications. Critical item now is the "check out" of the computer programming which is expected to continue through October.

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18. Contractual Action: Approval of an additional [ ] for the Scan & Search P.I. Station was granted by the Director's office on 21 August.

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19. Throughout the period, IEG personnel were briefed on the "H" and IRIS II camera systems in order to update personnel orientation and to provide operational information relative to the exploitation of materials from these systems from Middle East surveillance missiles.

20. Domestic collateral photo coverage was provided ORD for use in the AQ system testing. The first test flight of the airborne platform was successful.

21. It was officially announced by [ ] that the initial [ ] launch has been slipped 60 to 90 days.

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22. Suggested changes to the SPECS Manual [ ] were received from the collection/exploitation systems community and will be published, together with a new chapter on SLR SPECS, in October.

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23. The NRO advanced strategic SLR system, which is undergoing development, should be ready for operational test flights from an aircraft platform in March or April 1971. The objective is to prove or disprove conclusively the values of SLR for overhead, image-forming reconnaissance.

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SUBJECT: RED Monthly Report on Significant Events (August 1970)

24. The source of difficulty with obtaining obligated amounts on DDS&T contract information reports has been located; agreement as to input designations that will correct the problem has been secured.

25. Initial copies of the FY-71 R&D Project Descriptions were completed and distributed to C/RED and ExDir/NPIC.

26. Briefings and Consultations:

- a. On 17 August, RED hosted the [ ] Technical Task Team meeting comprised of representatives from throughout the exploitation community for the purpose of initiating compilation of the 3rd Annual Consolidated R&D Project List. 25X1
- b. An RED/IEG coordination and planning session involving C/RED and C/OD/IEG was held on 25 August.
- c. On 28 August, SA/P&A directed the presentation of FY-71 R&D Program briefing to selected [ ] personnel, headed by [ ] [ ] 25X1
- d. On 21 August, HFS/ATB personnel met with [ ] Chief, Psychological Services Staff, OMS, to discuss NPIC's human factors program. 25X1
- e. On 20 August, HFS/ATB personnel met with [ ] Chief, Medical and Behavioral Sciences, ORD, for a review of ORD's human factors research. 25X1
- f. On 24 August, HFS/ATB personnel met with [ ] Life Sciences Division, OSI, to discuss the Center's vision testing program. 25X1
- g. Chip Implementation Study - [ ] Contractor gave a detailed presentation to the Chip Task Team members concerning the Phase I Technical Report on 6-7 August. 25X1
- h. Dry Silver - [ ] Contractor and RED personnel gave the Dry Silver Briefing to CCB members and Westover AFB personnel on 11 August. The same briefing was given to [ ] [ ] on 19 August. 25X1

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SUBJECT: RED Monthly Report on Significant Events (August 1970)

Briefings and Consultations: (cont.)

- i. In meetings at Wright Patterson Air Force Base, RSB/RED personnel assisted in preparing an RFP to replace the current primary camera on the low-altitude drone, F147-S.
- j. A meeting was held with DIA to discuss NPIC participation in [ ] distortion tests. The system may become a source for NPIC inputs on an operational level. Arrangements are being made for briefings of NPIC personnel in the future.
- k. The VHR Working Group is progressing toward an interesting and objective evaluation of the values, needs, and practicalities of VHR systems. The approach is primarily intelligence-user oriented.

27. Training:

- a. Display Systems Engineering Course - UCLA was attended by [ ] SDB/RED, on 10-14 August.
- b. Physical Measurements Course, MIT, was attended by Mr. [ ] SDB/RED, on 17-28 August.
- c. IIS Training Class, AID, was attended by [ ] during month of August.
- d. [ ] Advanced SLR Course was attended by [ ] RSB/RED.

28. Personnel:

- a. [ ] joined the ATB staff on 24 August after completing post-doctoral research at the University of Rochester. [ ] will assume technical responsibility for the IR&D image manipulation program.

- b. [ ] joined the SRB staff on 31 August. Mr. [ ] is an engineer and physicist, formerly with the [ ]

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Approved For Release 2003/08/05 : CIA-RDP78B05171A000800030012-6

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SUBJECT: RED Monthly Report on Significant Events (August 1970)

B. Anticipated Items of Interest for September 1970:

None.

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Deputy Chief  
Research & Engineering Division,  
TSG/NPIC

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